

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A low-pressure vapor discharge lamp comprising a radiation-transmitting discharge vessel (1) enclosing, in a gastight manner, a discharge space (3) provided with a gas filling, the gas filling being substantially free of mercury and comprising an indium compound and a buffer gas, the discharge vessel (1) comprising discharge means (2) for maintaining a gas discharge in the discharge space (3), the discharge vessel (1) being provided with a luminescent layer (4), the luminescent layer (4) comprising a luminescent material based on a nitridosilicate or on an oxonitridosilicate.
2. (original) A low-pressure vapor discharge lamp as claimed in claim 1, characterized in that the luminescent material comprises rare-earth emitters.
3. (original) A low-pressure vapor discharge lamp as claimed in claim 2, characterized in that the luminescent material comprises europium, cerium, or ytterbium emitters.

4. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1 ~~or~~ 2, characterized in that the luminescent material comprises an oxonitridosilicate comprising aluminum.

5. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1 ~~or~~ 2, characterized in that the luminescent layer (4) comprises a luminescent material selected from the group formed by:

$(\text{Sr}_{1-x-y-z}\text{Ba}_x\text{Ca}_y)\text{Si}_2\text{N}_2\text{O}_2:\text{Eu}_z$ , where  $0 < x < 0.2$ ,  $0 < y < 0.2$  and  $0 < z < 0.1$ ;

$\text{Ca}_{1-x-y}\text{Sr}_x\text{Si}_2\text{N}_2\text{O}_2:\text{Eu}_y$ , where  $0 < x < 0.5$  and  $0 < y < 0.1$ ;

$(\text{Sr}_{1-x-y-z}\text{Ca}_x\text{Ba}_y)_2\text{Si}_5\text{N}_8:\text{Eu}_z$ , where  $0 < x < 1$ ,  $0 < y < 1$  and  $0 < z < 0.1$ ;

$(\text{Sr}_{1-x-y-z}\text{Ba}_x\text{Ca}_y)_2\text{Si}_{5-a}\text{Al}_a\text{N}_{8-a}\text{O}_a:\text{Eu}_z$ , where  $0 < x < 1$ ,  $0 < y < 1$ ,  $0 < z < 0.1$

and  $0 < a < 4$ ,

and

$(\text{Sr}_{1-x-y-z}\text{Ba}_x\text{Ca}_y)\text{Si}_2\text{N}_2\text{O}_2:\text{Yb}_z$ , where  $0 < x < 0.2$ ,  $0 < y < 0.2$  and  $0 < z < 0.1$ .

6. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1 ~~or~~ 2, characterized in that the luminescent layer (4) further comprises a luminescent material selected from the group formed by:

$\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ ;

$(\text{Y}_{1-x}\text{Gd}_x)_3(\text{Al}_{1-y}\text{Ga}_y)_5\text{O}_{12}:\text{Ce}$ , where  $0 < x < 1$  and  $0 < y < 1$ ;

$\text{Sr}_2\text{CeO}_4:\text{Eu}$ ,  $\text{Y}_2\text{O}_3:\text{Eu}$ ,  $\text{Bi}$ ;

$(Y, Gd)_2O_3:Eu, Bi;$   
 $Y(V, P)O_4:Eu;$   
 $Y(V, P)O_4:Eu, Bi;$   
 $(Sr, Mg, Ca)S:Eu;$   
 $Y_2O_2S:Eu;$   
 $(Ba, Sr)MgAl_{10}O_{17}:Eu, Mn;$   
 $ZnS:Cu, Al, Au; SrGa_2S_4Eu;$   
 $(Sr, Ba, Ca)(Ga, Al)_2S_4:Eu;$   
 $(Y, Gd)BO_3:Ce, Tb;$   
 $(Y, Gd)_2O_2S:Tb;$   
 $LaOBr:Ce, Tb;$   
 $(Ba, Sr)MgAl_{10}O_{17}:Eu;$   
 $(Ba, Sr)_5(PO_4)_3(F, Cl):Eu;$   
 $Y_2SiO_5:Ce;$   
 $ZnS:Ag,$

and

$La_{0.7}Gd_{0.3}OBr:Ce.$

7. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1 ~~or~~ 2, characterized in that the emission from the luminescent layer (4) and the emission from the gas discharge together form white light.

8. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the discharge vessel is surrounded by an outer bulb, the outer surface of the discharge vessel being coated with the luminescent layer.

9. (currently amended) A low-pressure vapor discharge lamp as claimed in claim 1-~~or~~-2, characterized in that the discharge vessel (1) is surrounded by an outer bulb (6), the outer bulb (6) being coated with the luminescent layer (4).